CLAIMS

1.   A node selecting method in which a mobile node moving among a plurality of nodes substantially uniformly dispersedly arranged selects a candidate node for next communication, characterized in that the mobile node executes:

a first step of specifying nodes present within a communication zone of the mobile node;

a second step of counting the number of overlaps between a communication zone of the specified node and communication zones of the other specified nodes for each specified node; and

a third step of selecting, as the candidate node for communication, the specified node in which the largest number has been counted.

2.   A node selecting method in which a mobile node moving among a plurality of nodes substantially uniformly dispersedly arranged selects a candidate node for next communication, characterized in that the mobile node executes:

a first step of specifying a neighbor node present within a communication zone of the mobile node;

a second step of specifying a neighbor node present within a communication zone of the neighbor node;

a third step of counting the number of

specifications in the first and second steps for each
neighbor node; and

a fourth step of selecting, as the candidate node
for communication, the neighbor node in which the number of
5 the specifications in a predetermined order is large.

3.   The node selecting method according to claim 1
or 2, characterized in that the selection is not performed,
if the specified node in which the largest number has been
10 counted is the same as a node with which the mobile node is
currently in communication.

4.   The node selecting method according to claim 3,
characterized in that when there are a plurality of
15 specified nodes in which the largest number has been
counted, an arbitrary one node is selected.

5.   The node selecting method according to claim 1,
characterized in that the mobile node executes the first to
20 third steps at predetermined periods.

6.   The node selecting method according to claim 2,
characterized in that the mobile node executes the first to
fourth steps at predetermined periods.

25

7.   The node selecting method according to claim 5
or 6, characterized in that the predetermined period is

changed in accordance with a movement speed of the mobile node.

8. The node selecting method according to claim 5 or 6, characterized in that the predetermined period is changed in accordance with an arrangement density of the plurality of nodes.